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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Hiroyuki TAKAHASHI, et al. :  
: :  
Serial No.: 10/500,400 : Art Unit: To be assigned  
: :  
Filed: June 28, 2004 : Examiner: To be assigned  
: :  
For: **SEMICONDUCTOR** : Atty. Docket: UPM-02501  
: **STORAGE DEVICE AND** :  
: **REFRESH CONTROL** :  
: **METHOD THEREOF** :

**Certificate of Mailing**

I hereby certify that the foregoing documents are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date of August 3, 2004.

Alison L. Barnett  
Name: Alison L. Barnett

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants and/or their attorney in compliance with the requirements of 37 C.F.R. 1.56. Copies of the documents are also being submitted.

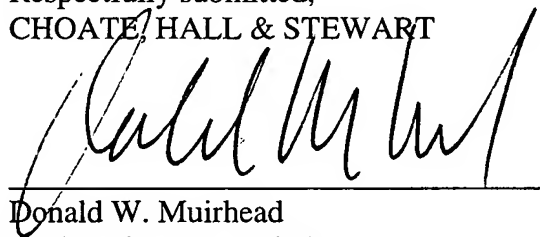
Since the above-referenced application is being filed within three months of the filing date of the above-referenced application, no fee is due. In connection with C.F.R. 1.98, Applicants note that the relevance of non-English language references is set forth in the enclosed International Search Report for a counterpart of the above-referenced application. In addition, all non-English language references submitted herewith include an English language abstract. Applicants also note Reference AB is a U.S. patent that corresponds to Reference AK, Reference AO is an EPO patent that corresponds to Japanese Reference AL, and Reference AP is an EPO patent that corresponds to Japanese Reference AM.

The Examiner is respectfully requested to initial the space adjacent to each document on the PTO-1449 form and return a copy of the PTO-1449 form to confirm that these documents have been considered by the Examiner and made of record in this application.

Although we believe that we have appropriately provided for any fees due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any deficiencies to/from our **Deposit Account No. 031721**. Two originally-executed copies of this form are being submitted.

Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at (617) 248-4038.

Respectfully submitted,  
CHOATE, HALL & STEWART

A handwritten signature in black ink, appearing to read 'Donald W. Muirhead', is written over a horizontal line.

Donald W. Muirhead  
Registration No. 33,978

August 3, 2004

Date

**Customer Number: 26339**

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/500,400
				Filing Date	June 28, 2004
				First Named Inventor	Hiroyuki TAKAHASHI
				Art Unit	To be assigned
				Examiner Name	To be assigned
Sheet	1	of	1	Attorney Docket Number	UPM-02501

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-6,275,437 B1	08-14-2001	Chang-Rae Kim, et al.	
	AB	US-2002/0159318 A1	10-31-2002	Katzutami Arimoto, et al.	
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	AK	JP 2001-357670 A	12-26-2001	Japan		English Abstract
	AL	JP 63-155494 A	06-28-1988	Japan		English Abstract
	AM	JP 2001-357671 A	12-26-2001	Japan		English Abstract
	AN	JP 2-187987 A	07-24-1990	Japan		English Abstract
	AO	EP 0 273 652 A2	07-06-1988	EPO		
	AP	EP 1 291 880 A1	03-12-2003	EPO		<input type="checkbox"/>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3.) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.